

Amendments to the Claims

1. (Currently amended) A user-programmable audio alert system, comprising:
an audio alert;
a device having an emitter for emitting the audio alert; and
[[a]] ~~an array data-structure~~ programmed to detect an occurrence of an audio alert triggering event and relate the audio alert triggering event to the audio alert;
wherein when the audio alert triggering event occurs, the ~~array data-structure~~ detects the occurrence of the audio alert triggering event and causes the device to emit the audio alert related to the triggering event.
2. (Original) The system of claim 1, wherein the audio alert comprises an audio alert created by a user.
3. (Currently amended) The system of claim 1, wherein the ~~array data-structure~~ comprises a ~~data-structure~~ an array programmed by a user.
4. (Currently amended) The system of claim 1, wherein the device comprises storage for storing data and wherein the ~~data-structure~~ array comprises a ~~data-structure~~ an array stored in the device.
5. (Currently amended) The system of claim 1, wherein the audio alert comprises a plurality of audio alerts,
wherein the ~~data-structure~~ array comprises a plurality of ~~data-structures~~ arrays, and

wherein each ~~data-structure~~ array is programmed to detect the occurrence of one of a plurality of audio alert triggering events and relate the one of the plurality of audio alert triggering events to one of the plurality of audio alerts.

6. (Original) The system of claim 1, wherein the audio alert comprises a sequence of numbers and wherein each number further comprises a distinct musical tone.
7. (Original) The system of claim 1, wherein the device comprises a wireless telephone.
8. (Original) The system of claim 1, wherein the audio alert comprises an audio alert programmed with a personal computer.
9. (Original) The system of claim 1, wherein the audio alert comprises an audio alert programmed with a keypad.
10. (Original) The system of claim 1, the device further comprising a transmitter, wherein the device is programmable to transmit the audio alert to another device having storage for storing data and an emitter for emitting the audio alert.
11. (Original) The system of claim 10, wherein the device is programmable to transmit the data structure to the another device.

12. (Original) The system of claim 1, wherein the device is programmable to modulate the audio alert according to an external variable associated with the audio alert triggering event.

13. (Original) The system of claim 12, wherein the external variable comprises global positioning information.

14. (Original) The system of claim 12, wherein the external variable comprises relative distance information.

15. (Original) The system of claim 12, wherein the external variable comprises directional information.

16. (Original) The system of claim 12, wherein the external variable comprises retail information.

17. (Original) The system of claim 16, wherein the retail information comprises product information.

18. (Original) The system of claim 16, wherein the retail information comprises price information.

19. (Currently amended) A user-programmable audio alert system, comprising:
a plurality of audio alerts created by a user;

a plurality of data structures, each data structure programmed by a user to detect an occurrence of one of a plurality of distinct audio alert triggering events and relate the one of the plurality of distinct audio alert triggering events to one of the plurality of audio alerts;

a device having storage for storing data, the plurality of data structures stored in the device; and

the device further comprising an emitter for emitting the plurality of audio alerts;

wherein when a particular one of the plurality of distinct audio alert triggering events occurs, the data structure so programmed detects the occurrence of the particular one of the plurality of distinct audio alert triggering events and causes the device to emit the audio alert related to the particular distinct triggering event.

20. (Original) The system of claim 19, wherein the device comprises a wireless telephone.

21. (Original) The system of claim 19, the device further comprising a transmitter, wherein the device is programmable to transmit the plurality of audio alerts to another device having storage for storing data and an emitter for emitting the plurality of audio alerts.

22. (Original) The system of claim 21, wherein the device is programmable to transmit the plurality of data structures to the another device.

23. (Currently amended) The system of claim 19, wherein the device is programmable to modulate a selected one of the plurality of audio alerts according to an external variable

associated with the distinct audio alert triggering event related to the selected one of the plurality of audio alerts.

24. (Currently amended) A user-programmable device for emitting an audio alert, comprising:

storage for storing data;

an audio alert stored in the device;

[[a]] an array ~~data-structure~~ programmed to detect an occurrence of an audio alert triggering event and relate the audio alert triggering event to the audio alert, the ~~data-structure~~ array stored in the device; and

an emitter for emitting the audio alert,

wherein when the audio alert triggering event occurs, the array ~~data-structure~~ detects the audio alert triggering event and causes the device to emit the audio alert related to the triggering event.

25. (Original) The device of claim 24, wherein the audio alert comprises an audio alert created by a user.

26. (Currently amended) The device of claim 24, wherein the ~~data-structure~~ array comprises ~~a data-structure~~ an array programmed by a user.

27. (Currently amended) The device of claim 24, wherein the audio alert comprises a plurality of audio alerts,

wherein the ~~data-structure array~~ comprises a plurality of ~~data-structures arrays~~, and

wherein each ~~data-structure array~~ is programmed to detect one of a plurality of audio alert triggering events and relate the one of the plurality of audio alert triggering events to one of the plurality of audio alerts.

28. (Original) The device of claim 24, wherein the audio alert comprises a sequence of numbers and wherein each number further comprises a distinct musical tone.

29. (Original) The device of claim 24, wherein the device comprises a wireless telephone.

30. (Original) The device of claim 24, wherein the audio alert comprises an audio alert programmed with a personal computer.

31. (Original) The device of claim 24, wherein the audio alert comprises an audio alert programmed with a keypad.

32. (Original) The device of claim 24, the device further comprising a transmitter, wherein the device is programmable to transmit the audio alert to another device having storage for storing data and an emitter for emitting the audio alert.

33. (Currently amended) The device of claim 32, wherein the device is programmable to transmit the ~~data-structure array~~ to the another device.

34. (Original) The device of claim 24, wherein the device is programmable to modulate the audio alert according to an external variable associated with the audio alert triggering event.

35. (Original) The device of claim 34, wherein the external variable comprises global positioning information.

36. (Original) The device of claim 34, wherein the external variable comprises relative distance information.

37. (Original) The device of claim 34, wherein the external variable comprises directional information.

38. (Original) The device of claim 34, wherein the external variable comprises retail information.

39. (Original) The device of claim 38, wherein the retail information comprises product information.

40. (Original) The device of claim 38, wherein the retail information comprises price information.

41. (Currently amended) A user-programmable device for emitting an audio alert, comprising:

storage for storing data;

a plurality of audio alerts created by a user;

a plurality of data structures, each data structure programmed by a user to detect an occurrence of one of a plurality of distinct audio alert triggering events and relate the one of the plurality of distinct audio alert triggering events to one of the plurality of audio alerts;

a device having storage for storing data, the plurality of data structures stored in the device; and

the device further comprising an emitter for emitting the plurality of audio alerts;

wherein when a particular one of the plurality of distinct audio alert triggering events occurs, the data structure so programmed detects the occurrence of the particular one of the plurality of distinct audio alert triggering events and causes the device to emit the audio alert related to the particular distinct triggering event.

42. (Original) The device of claim 41, wherein the device comprises a wireless telephone.

43. (Original) The device of claim 41, the device further comprising a transmitter, wherein the device is programmable to transmit the plurality of audio alerts to another device having storage for storing data and an emitter for emitting the plurality of audio alerts.

44. (Original) The device of claim 43, wherein the device is programmable to transmit the plurality of data structures to the another device.

45. (Currently amended) The device of claim 41, wherein the device is programmable to modulate a selected one of the plurality of audio alerts according to an external variable associated with the distinct audio alert triggering event related to the selected one of the plurality of audio alerts.

46. (Currently amended) A method of customizing audio alerts in a device, comprising:
storing an audio alert in the device; and
programming in the device a ~~data-structure~~ list to detect an occurrence of an audio alert triggering event and relate the audio alert triggering event to the audio alert;
wherein the ~~data-structure~~ list detects the occurrence of the audio alert triggering event and causes the device to emit the audio alert related to the triggering event.

47. (Original) The method of claim 46, wherein the audio alert comprises an audio alert created by a user.

48. (Currently amended) The method of claim 46, wherein the ~~data-structure~~ list comprises a ~~data-structure~~ list programmed by a user.

49. (Currently amended) The method of claim 46, wherein the audio alert comprises a plurality of audio alerts,
wherein the ~~data-structure~~ list comprises a plurality of ~~data-structures~~ lists, and
wherein each ~~data-structure~~ list is programmed to detect an occurrence of one of a plurality of audio alert triggering events and relate the one of the plurality of audio alert triggering events

to one of the plurality of audio alerts.

50. (Original) The method of claim 46, wherein the audio alert comprises a sequence of numbers and wherein each number further comprises a distinct musical tone.

51. (Original) The method of claim 46, wherein the device comprises a wireless telephone.

52. (Original) The method of claim 46, wherein the audio alert comprises an audio alert programmed with a personal computer.

53. (Original) The method of claim 46, wherein the audio alert comprises an audio alert programmed with a keypad.

54. (Original) The method of claim 46, wherein the device is programmable to transmit the audio alert to another device having storage for storing data and an emitter for emitting the audio alert.

55. (Currently amended) The method of claim 46, wherein the device is programmable to transmit the ~~data-structure~~ list to the another device.

56. (Original) The method of claim 46, wherein the device is programmable to modulate the audio alert according to an external variable associated with the audio alert triggering event.

57. (Original) The method of claim 56, wherein the external variable comprises global positioning information.

58. (Original) The method of claim 56, wherein the external variable comprises relative distance information.

59. (Original) The method of claim 56, wherein the external variable comprises directional information.

60. (Original) The method of claim 56, wherein the external variable comprises retail information.

61. (Original) The method of claim 61, wherein the retail information comprises product information.

62. (Original) The method of claim 61, wherein the retail information comprises price information.

63. (Currently amended) A method of customizing audio alerts in a device, comprising:
storing a plurality of audio alerts created by a user in the device;
programming in the device a plurality of data structures, each data structure programmed by a user to detect an occurrence of one of a plurality of distinct audio alert triggering events and

relate the one of the plurality of distinct audio alert triggering events to one of the plurality of audio alerts; and

wherein when a particular one of the plurality of distinct audio alert triggering events occurs, the data structure so programmed detects the occurrence of the particular one of the plurality of distinct audio alert triggering events and causes the device to emit the audio alert related to the particular distinct triggering event.

64. (Original) The method of claim 63, wherein the device comprises a wireless telephone.

65. (Original) The method of claim 63, wherein the device is programmable to transmit the plurality of audio alerts to another device having storage for storing data and an emitter for emitting the plurality of audio alerts.

66. (Original) The method of claim 63, wherein the device is programmable to transmit the plurality of data structures to the another device.

67. (Currently amended) The method of claim 63, wherein the device is programmable to modulate a selected one of the plurality of audio alerts according to an external variable associated with the distinct audio alert triggering event related to the selected one of the plurality of audio alerts.

68. (New) The system of claim 19, wherein the plurality of distinct audio alert triggering events comprise a ringing signal.

69. (New) The system of claim 19, wherein the plurality of distinct audio alert triggering events comprise an electronic mail message.